

## ABSTRACT OF THE DISCLOSURE

A resource sharing apparatus includes an application specific integrated circuit and a central processing unit. The application specific integrated circuit includes a number of hubs, a number of device controllers  
5 for stimulating the peripheral apparatus, a bus, a host controller, and a root hub. Each of the hubs and the root hub has a host port and a number of peripheral ports. The host port of each hub is coupled to one personal computer, and the peripheral ports of each hub are coupled to one device controller and the peripheral apparatus. Some peripheral apparatus are  
10 coupled to the peripheral ports of the root hub, and the host port of the root hub is coupled to the host controller. The device controllers, the host controller, and the central processing unit, coupled to each other via the bus, control the operation of the resource sharing apparatus.

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